

M 8.0, 75km SSE of Lagunas, Peru

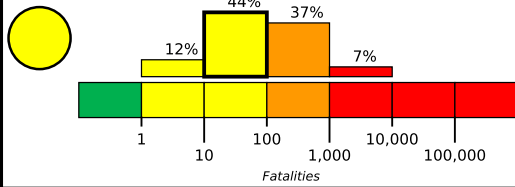
Origin Time: 2019-05-26 07:41:14 UTC (Sun 02:41:14 local)

Location: 5.7960° S 75.2975° W Depth: 109.9 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 1 day, 0 hours after earthquake

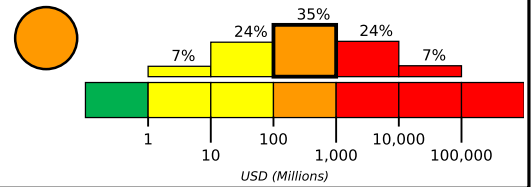
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are less than 1% of GDP of Peru. Past events with this alert level have required a regional or national level response.

Yellow alert for shaking-related fatalities. Some casualties are possible.

Estimated Economic Losses

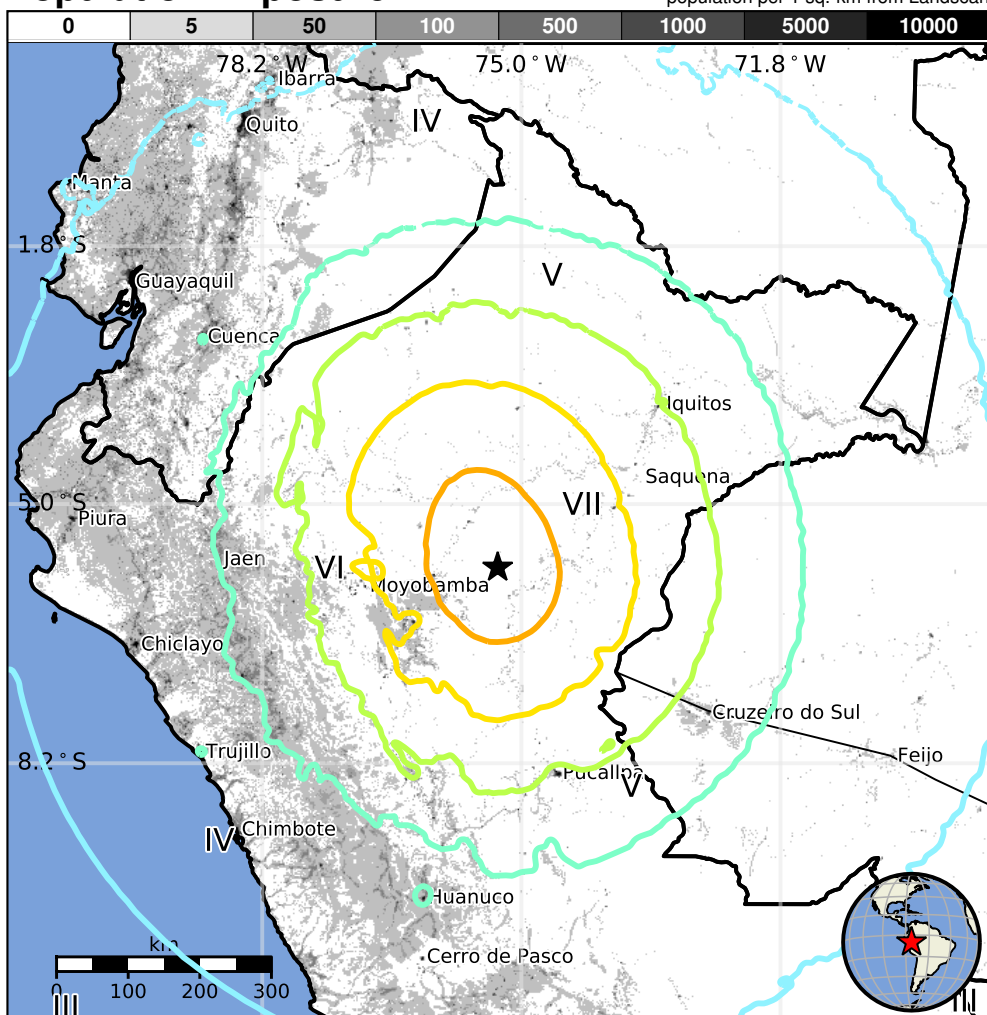


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,518k*	22,689k	5,742k	923k	400k	153k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and unreinforced brick with timber floor construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-04-04	205	6.4	VIII(92k)	0
1991-04-05	198	6.9	IX(80k)	53
1990-05-30	211	6.5	VIII(131k)	135

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Lagunas	9k
VIII	Santa Cruz	<1k
VIII	Shucshuyacu	<1k
VIII	Navarro	<1k
VIII	Pelejo	<1k
VIII	Yurimaguas	42k
V	Iquitos	438k
V	Trujillo	747k
V	Guayaquil	1,952k
IV	Chiclayo	577k
IV	Quito	1,400k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60003sc0#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60003sc0